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Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

10/678506
100203

| | | | |
|--|--|--|--|
| APPLICATION ELEMENTS | | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 | |
| See MPEP chapter 600 concerning utility patent application contents. | | | |

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages **40**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. Oath or Declaration [Total Pages **3**]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney *(when there is an assignee)*
11. English Translation Document *(if applicable)*
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: *Certificate of Mailing by Express Mail*

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP)

10/154,201; 10/274,829; and
of prior application No.: 10, 345,532

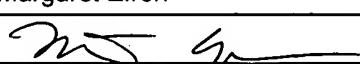
Prior application information: Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | |
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| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 23,557 | or <input type="checkbox"/> Correspondence address below |
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|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | Margaret Efron | Registration No. (Attorney/Agent) | 47,545 |
| Signature |  | | Date 10/02/03 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL FORM

Assistant Commissioner for Patents
 Box Patent Application
 Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang, Donn Michael Dennis

Entitled: Novel Application of Nanotechnology and Sensor Technologies for *In-Vitro* Diagnosis

A Utility Patent Application Transmittal Form accompanies this Fee Transmittal Form.
 The filing fee is calculated below:

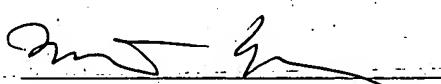
CLAIMS AS FILED

| | Number filed | Number Extra | Rate | Fee |
|---|--------------|--------------|--------|-----------|
| Basic Fee | | | | \$ 385.00 |
| Total Claims | 24 | -20 = 4 | x \$09 | 36.00 |
| Independent Claims | 2 | -3 = 0 | x \$43 | .00 |
| Presentation of Multiple Dependent Claim(s) (\$165) | | | | |
| Total Filing Fee | | | | \$ 421.00 |

Please charge \$421.00 to Deposit Account No. 19-0065. A duplicate copy of this sheet is enclosed.
 The Commissioner is hereby authorized to charge any additional filing fees that may be required, or credit any overpayment, to Deposit Account No. 19-0065.
 This application is being mailed by Express Mail under 37 CFR 1.10 and the required certificate appears below.

Date

October 2, 2003

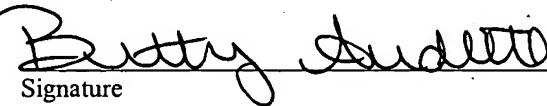

 Margaret Efron (Attorney of Record)

CERTIFICATE OF MAILING BY EXPRESS MAIL (37 CFR 1.10)

Express Mail No.: EU 880654672 US Date of Deposit: October 2, 2003

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Betty Audette
 Name of person mailing paper


 Signature